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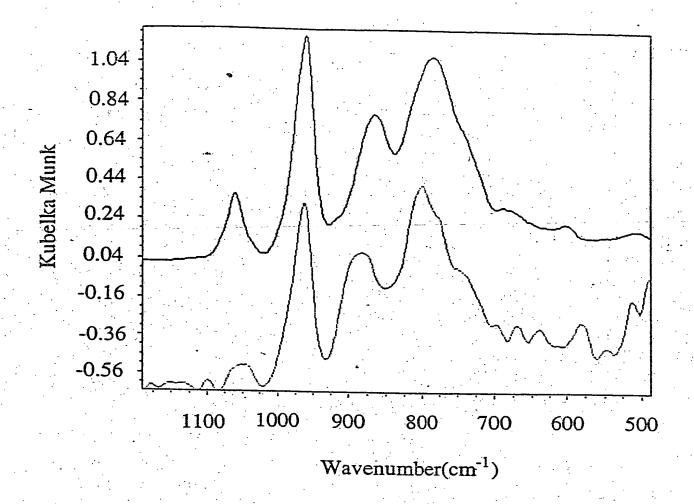


FIG. 1. The DRIFT spectra of unsupported  $H_5PV_2Mo_{10}O_{40}$  (1) powder (top) and 1-acrylic (5 wt% of 1; bottom).



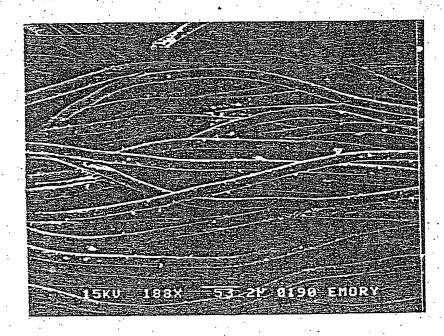


FIG. 2. The SEM pictures of acrylic (top) and 1-acrylic (5 wt% of 1; bottom).

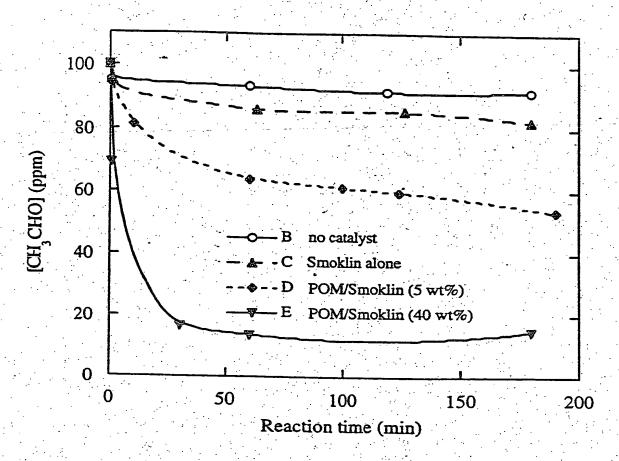


FIG. 3. Aerobic oxidation of gaseous CH<sub>3</sub>CHO in the presence of Smoklin<sup>®</sup> and 1-Smoklin<sup>®</sup>. Reaction conditions: CH<sub>3</sub>CHO (100 ppm) and C<sub>2</sub>H<sub>6</sub> (internal standard, 100 ppm) were stirred at 1200 rpm in a 250-ml flask under 1 atm of O<sub>2</sub> at ambient temperature for 3 hrs.